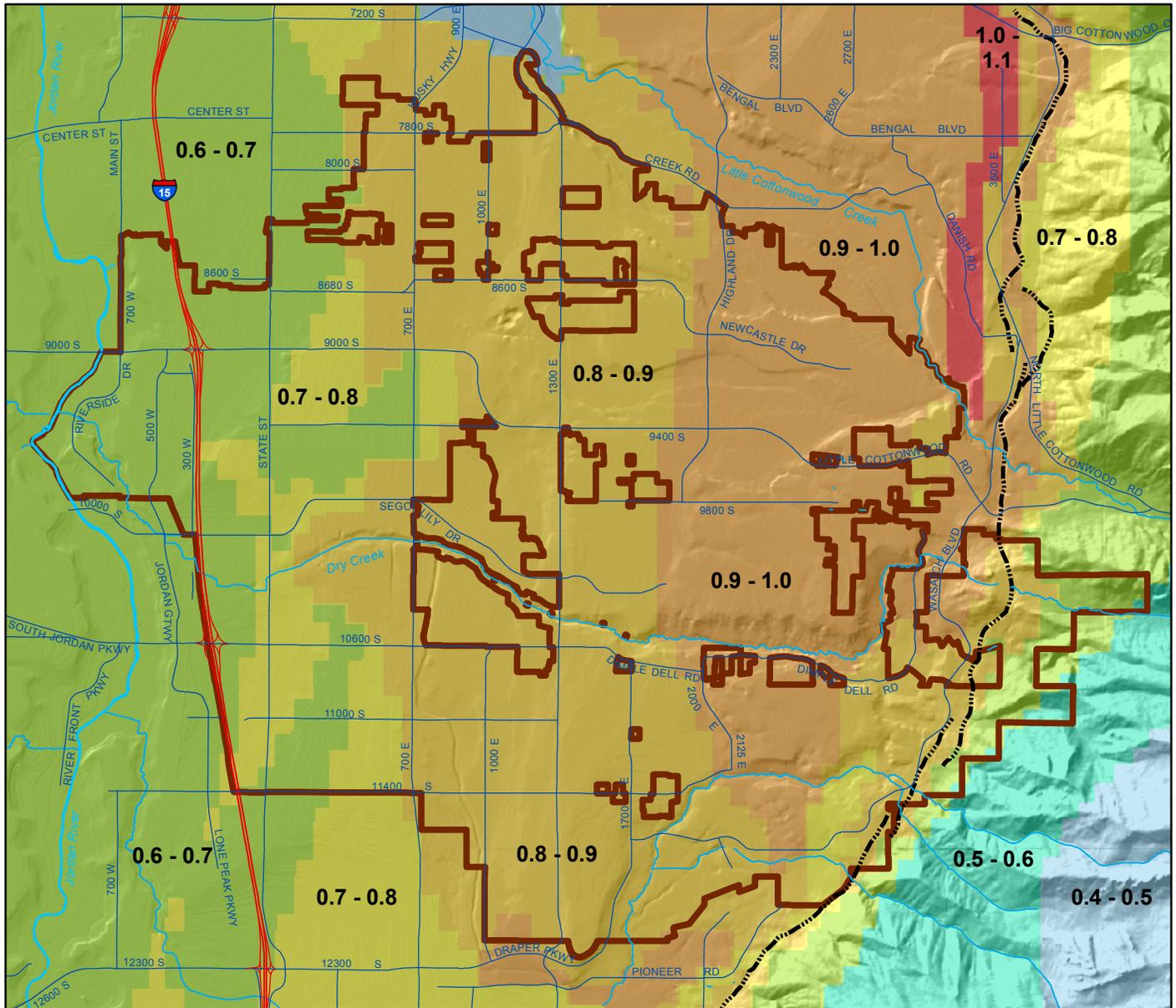


Sandy City, Utah

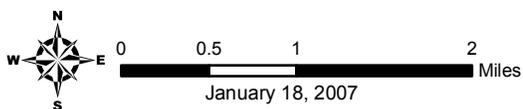
Ground Shaking Potential



**Relationship of Peak Horizontal Ground Acceleration (PGA)
to Modified Mercalli (MM) Intensity (After Wald et al., 1999)**

| Peak Ground Acceleration (PGA) | | PGA(g) | MM Intensity | Perceived Shaking | Damage |
|--------------------------------|-----------|-------------|--------------|---|---|
| | 0.4 - 0.5 | 0.34 - 0.65 | VIII | Severe - Persons Driving Cars Disturbed | Moderate to heavy - Damage slight in specially designed structures; considerable in ordinary substantial buildings with partial collapses; great in poorly built structures. Chimneys toppled. |
| | 0.5 - 0.6 | | | | |
| | 0.6 - 0.7 | 0.65 - 1.24 | IX | Violent | Heavy - Damage considerable in specially designed structures; well designed frame structures thrown out of plumb; great in substantial buildings, with partial collapse. Buildings shifted off foundations. |
| | 0.7 - 0.8 | | | | |
| | 0.8 - 0.9 | | | | |
| | 0.9 - 1.0 | | | | |
| | 1.0 - 1.1 | | | | |
| | Faults | | | | |

Ground Shaking data was created by UGS using a magnitude 7 earthquake simulation



NOTE:
Data represented on this map should not be used for site specific analysis.

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